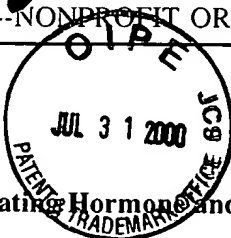


Applicant: **Weintraub, B.D., et al.**

Serial No.: **09/519,728**

Filed: **March 3, 2000**

Title: **Mutants of Thyroid Stimulating Hormone and Methods Based Thereon**



I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below.

Name of Nonprofit Organization **University of Maryland, Baltimore**

Address of Nonprofit Organization **520 West Lombard Street, Baltimore, MD 21201**

TYPE OF NONPROFIT ORGANIZATION:

☒ (X) University or Other Institution of Higher Education

☐ () Tax Exempt Under Internal Revenue Service Code (26 U.S.C. 501(a) and 501(c)(3))

☐ () Nonprofit Scientific or Educational Under Statute of State of the United States of America

(Name of State)

(Citation of Statute)

☐ () Would Qualify as Tax exempt Under Internal Revenue Service Code (26 U.S.C. 501(a) and 501(c)(3)) if Located In The United States of America

☐ () Would Qualify as Nonprofit Scientific or Educational Under Statute of State of the United States of America if Located in the United States of America

(Name of State)

(Citation of Statute)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees to the United States Patent and Trademark Office regarding the invention described in:

☐ () the specification filed herewith with title as listed above

☒ (X) the application identified above

☐ () the patent identified above

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization regarding the above identified invention. If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights in the invention must file separate verified statements swearing to their status as small entities and that no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization having any rights in the invention is listed below.

☒ (X) no such person, concern, or organization exists

☐ () each such person, concern or organization is listed below

I acknowledge the duty to file, in this application or patent notification of any change in status resulting in loss of small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING

TITLE IN ORGANIZATION OF PERSON SIGNING

ADDRESS OF PERSON SIGNING

Joann A. Boughman, Ph.D.

Vice President, Academic Affairs and

Dean, Graduate School

University of Maryland, Baltimore

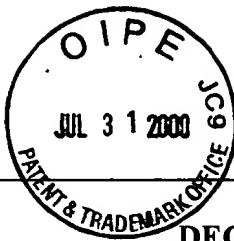
520 West Lombard Street, Baltimore, MD 21201

Signature

Joann A. Boughman

Date

7/20/00

**DECLARATION - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that: ~

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **MUTANTS OF THYROID STIMULATING HORMONE AND METHODS BASED THEREON**; the specification of which was filed on **March 3, 2000** as Application Serial No. **09/519,728**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby claim the benefit under Title 35, United States Codes § 119(e) of any United States provisional application(s) listed below.

Application No.: 60/135,505

Filing Date: 09/22/97

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S.A. Application(s)

Application No.: **PCT/US98/19772** Filing Date: **09/22/98**

Status: **Pending**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: **Bruce D. Weintraub**

Inventor's signature Bruce Weintraub

Date 6/13/00

Residence: **Rockville, Maryland**

Citizenship: **United States**

Post Office Address: **6620 Sulky Lane, Rockville, MD 20852**

Full name of second inventor: **Mariusz W. Szkudlinski**

Inventor's signature Mariusz W. Szkudlinski

Date 06/13/00

Residence: **Potomac, Maryland**

Citizenship: **Poland**

Post Office Address: **9738 Pleasant Gate, Potomac, MD 20854**

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053000

Send Correspondence To:
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Weintraub, B.D., et al.
Application No. : 09/519,728
Filed : March 3, 2000
For : Mutants of Thyroid Stimulating Hormone and Methods Based Thereon
Examiner : Unknown

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION
AND
REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir,

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, 16th Floor, Newport Beach, California, 92660, Telephone (949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. §3.71.

Please use **Customer No. 20,995** for all communications.

Date: 6/23/00

University of Maryland, Baltimore

By: Joann A. Boughman

Joann A. Boughman, Ph.D.

Vice President, Academic Affairs and
Title: Dean, Graduate School

520 West Lombard Street
Address: Baltimore, MD 21201-1627

Application No.: 09/519,728
Filing Date: March 3, 2000

COPY

PATENT
Client Code: UOFMD.002C1
Page 1

ASSIGNMENT

WHEREAS, We, Bruce D. Weintraub, a United States citizen, residing at 6620 Sulky Lane, Rockville, Maryland 20852, and Mariusz W. Szkudlinski, a citizen of Poland, residing at 9738 Pleasant Gate, Potomac, Maryland 20854, have invented certain new and useful improvements in a MUTANTS OF THYROID STIMULATING HORMONE AND METHODS BASED THEREON for which we have filed an application for Letters Patent in the United States, Application No. 09/519,728, filed on March 3, 2000;

AND WHEREAS, University of Maryland, Baltimore (hereinafter "ASSIGNEE"), a Maryland Corporation, with its principal place of business at 515 Lombard Street, Suite 500, Baltimore, Maryland 21201-1627, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13 day of June, 2000.

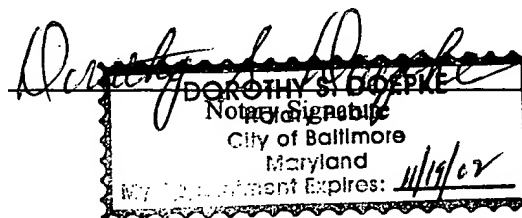
Bruce Weintraub
Bruce D. Weintraub

STATE OF Maryland
City]
COUNTY OF Baltimore] ss.

On 6/13/00, before me, Dorothy Doecke, personally appeared Bruce D. Weintraub personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13th day of June, 2000

Mariusz W. Szkudlinski
Mariusz W. Szkudlinski

STATE OF Maryland
City of Baltimore] ss.
COUNTY OF Baltimore

On 6/13/00, before me, Dorothy S. Daye, personally appeared Mariusz W. Szkudlinski personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Dorothy S. Daye
Notary Signature **DOROTHY S.**
Notary
City of
My Appointment expires 11/19/02